

Refocus

(32)

Access DB# 122340

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Qi Han Examiner #: 79457 Date: 5/18/04
 Art Unit: 2654 Phone Number 30 95 5631 Serial Number: 091675541
 Mail Box Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Search the phrase exactly as in the same order.
 (time or temporal or non-simultaneous or non-frequency or forward or backward
 or pre or post) () marking () filter)

STAFF USE ONLY

Searcher: Vamsi Kalakunta

Searcher Phone #: 703 3060254

Searcher Location: PK2 3003

Date Searcher Picked Up: 05/18/04

Date Completed: 05/18/04

Searcher Prep & Review Time: 15

Clerical Prep Time: _____

Online Time: 30

Type of Search

NA Sequence (#) _____

AA Sequence (#) _____

Structure (#) _____

Bibliographic _____

Litigation _____

Fulltext _____

Patent Family _____

Other _____

Vendors and cost where applicable

STN _____

Dialog _____

Questel/Orbit _____

Dr.Link _____

Lexis/Nexis _____

Sequence Systems _____

WWW/Internet _____

Other (specify) _____

File 344:Chinese Patents Abs Aug 1985-2004/Mar.

(c) 2004 European Patent Office

File 347:JAPIO Nov. 1976-2004/Jan(Updated 040506)

(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200431

(c) 2004 Thomson Derwent

| Set | Items | Description |
|-----|-------|---|
| S1 | 13 | (TIME OR TEMPORAL OR NON()SIMULTANEOUS? OR NONSIMULTANEOUS OR NON()FREQUEN? OR NONFREQUEN? OR FORWARD OR BACKWARD OR PRE OR POST) (N1) (MASK OR MASKS OR MASKING) (N1)FILTER? |
| S2 | 13 | IDPAT (sorted in duplicate/non-duplicate order) |
| S3 | 13 | IDPAT (primary/non-duplicate records only) |
| ? | | |

3/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015979401 **Image available**
WPI Acc No: 2004-137251/200414
Related WPI Acc No: 2000-356574
XRPX Acc No: N04-109392

Data transmitter generates events for updating object in database, based on updating data selected at receiver side using filter mask defining time constraint

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); SONY CORP (SONY)
Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|---------------|------|----------|----------|
| JP 2003264575 | A | 20030919 | JP 98277352 | A | 19980930 | 200414 B |
| | | | JP 2002357092 | A | 19980930 | |

Priority Applications (No Type Date): JP 98277352 A 19980930; JP 2002357092 A 19980930

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---------------|------|-----|----|-------------|--------------------------------|
| JP 2003264575 | A | | 33 | H04L-012/56 | Div ex application JP 98277352 |

Data transmitter generates events for updating object in database, based on updating data selected at receiver side using filter mask defining time constraint

? t/3,k/2-13

3/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014950756 **Image available**
WPI Acc No: 2003-011269/200301

Image sensor and manufacturing method thereof

Patent Assignee: HYNIX SEMICONDUCTOR INC (HYNI-N)

Inventor: HWANG J

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|---------------|------|----------|--------------|------|----------|----------|
| KR 2002048707 | A | 20020624 | KR 200077936 | A | 20001218 | 200301 B |

Priority Applications (No Type Date): KR 200077936 A 20001218

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|---------------|------|-----|----|--------------|--------------|
| KR 2002048707 | A | | 1 | H01L-027/146 | |

Abstract (Basic):

... 30), a blue color filter(B), a red color filter(R) and a green color filter(G) are respectively and sequentially formed using a color filter array mask . At this time the blue color filter(B), a red color filter(R) and a green color filter(G) are respectively made of a photoresist. Then, a hemisphere...

3/3,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012655508 **Image available**
WPI Acc No: 1999-461613/199939
XRAM Acc No: C99-135882
XRPX Acc No: N99-345486

Disposable dust proof mask for filter medium - includes cushion attached to filter such that nose contacting portion and mandible contacting portion of filter are made soft

Patent Assignee: KOKEN KK (KOKE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| JP 11192317 | A | 19990721 | JP 97369362 | A | 19971227 | 199939 B |

Priority Applications (No Type Date): JP 97369362 A 19971227

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-------------|------|-----|----|-------------|--------------|
| JP 11192317 | A | | 7 | A62B-018/02 | |

...Abstract (Basic): DESCRIPTION OF DRAWING - The figure shows cross-sectional view showing configuration of disposable **mask** . (11) **Filter** ; (11a) **Pre - filter layer**; (11b) **Main filter layer**; (11c) **Shape retaining layer**; (12) **Cushion**...

3/3,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012644544 **Image available**
WPI Acc No: 1999-450649/199938
XRPX Acc No: N99-337130

Timed main filter for e.g. floppy disk drive - has FET that returns capacitor to initial state and starts delay operation, and flip flop that prevents input data transmission during first and second time zones

Patent Assignee: TOSHIBA KK (TOKE); TOSHIBA MICROELECTRONICS KK (TOSZ)
Number of Countries: 001 Number of Patents: 002
Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| JP 11186886 | A | 19990709 | JP 97350442 | A | 19971219 | 199938 B |
| JP 3457870 | B2 | 20031020 | JP 97350442 | A | 19971219 | 200369 |

Priority Applications (No Type Date): JP 97350442 A 19971219

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-------------|------|-----|----|---------------|-----------------------------------|
| JP 11186886 | A | | 10 | H03K-005/1252 | |
| JP 3457870 | B2 | | 10 | H03K-005/1252 | Previous Publ. patent JP 11186886 |

...Abstract (Basic): ADVANTAGE - Reliably prevents input at shorter than fixed time. DESCRIPTION OF DRAWING(S) - The drawing shows the circuit diagram of the timed main **filter** . (12) **Mask time generating circuit**; (17) **FET**; (18) **Delay circuit**; (24) **Flip flop**; (C1) **Capacitor** ...

3/3,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

012388201 **Image available**

WPI Acc No: 1999-194308/199917

XRAM Acc No: C99-057241

XRPX Acc No: N99-142578

Black mask of color filter for LCD - has anti-reflective coatings containing different tantalum composition which are formed on transparent substrate, covered by shading film

Patent Assignee: STI TECHNOLOGY KK (STIT-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| JP 11038221 | A | 19990212 | JP 97192600 | A | 19970717 | 199917 B |

Priority Applications (No Type Date): JP 97192600 A 19970717

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-------------|------|-----|----|-------------|--------------|
| JP 11038221 | A | | 8 | G02B-005/20 | |

...Abstract (Basic): ADVANTAGE - Offers easy handling of **mask** at the time of **filter** manufacturing. Color filter offers clear image by using the black mask which reduces dependence on surface reflecting rate. DESCRIPTION OF DRAWING(S) - The figure shows...

3/3,K/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007605269

WPI Acc No: 1988-239201/198834

XRAM Acc No: C88-107216

Prod. of multi-open PTFE porous bodies - by dispersing PTFE resin powder in liq., pulverising, adding liq. lubricant, shaping and stretching

Patent Assignee: NITTO ELECTRIC IND CO (NITL)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| JP 63172743 | A | 19880716 | JP 875629 | A | 19870112 | 198834 B |

Priority Applications (No Type Date): JP 875629 A 19870112

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-------------|------|-----|----|----------|--------------|
| JP 63172743 | A | | 4 | | |

...Abstract (Basic): Process produces multi-open porous bodies having comparatively larger hollows by special process of paste prepn. Products having larger hollows are useful for dust protecting **mask**, **pre - filter** of bacteria, compared with usual products having smaller hollows used for liquid and gas filters, bag-filter, artificial artery and vein or sports wear...

3/3,K/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004017417

WPI Acc No: 1984-162959/198426

XRPX Acc No: N84-121104

Equipment for measuring fluctuations in scattered radiation - based on laser, radiation former and phototransducer, with filter - mask

containing pre -exposed and developed photographic plate

Patent Assignee: GURARI M L (GURA-I)

Inventor: LUSHCHIKOV I I; SAKHAROV V K

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-----------|------|----------|-------------|------|----------|----------|
| SU 717962 | A | 19840215 | SU 2626396 | A | 19780612 | 198426 B |

Priority Applications (No Type Date): SU 2626396 A 19780612

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|-----------|------|--------|----------|--------------|
| SU 717962 | A | 3 | | |

... based on laser, radiation former and phototransducer, with filter -
mask containing pre -exposed and developed photographic plate

3/3,K/8 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

07558142 **Image available**

METHOD AND DEVICE FOR TRACKING VIDEO OBJECT

PUB. NO.: 2003-051983 [JP 2003051983 A]

PUBLISHED: February 21, 2003 (20030221)

INVENTOR(s): SCHOEPFLIN TODD

HAYNOR DAVID R

SAHR JOHN D

YONMIN KIM

APPLICANT(s): UNIV OF WASHINGTON

APPL. NO.: 2002-160901 [JP 2002160901]

FILED: June 03, 2002 (20020603)

PRIORITY: 01 874160 [US 2001874160], US (United States of America),
June 04, 2001 (20010604)

ABSTRACT

... to be updated; which pixels in the background were observed incorrectly in the current frame; and which background pixels are being observed for the first time . In addition, mask filtering is performed to correct errors, eliminate small islands and maintain spatial and temporal coherency of a foreground mask.

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3/3,K/9 (Item 9 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

07302944 **Image available**

MOVING PICTURE PROCESSING METHOD, MOVING PICTURE PROCESSING APPARATUS AND
MOVING PICTURE DISPLAY DEVICE

PUB. NO.: 2002-171424 [JP 2002171424 A]

PUBLISHED: June 14, 2002 (20020614)

INVENTOR(s): WADA YOSHIFUSA

KAMIJO KENICHI

APPLICANT(s): NEC CORP

APPL. NO.: 2000-364949 [JP 2000364949]

FILED: November 30, 2000 (20001130)

ABSTRACT

...unit of frames from the image memory section 2, detects the object moved between the frames, and provides an output of a mask signal to **mask** its area. A **time filter** processing section 4 applies time filter processing to areas not masked by the mask signal.

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3/3,K/10 (Item 10 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

06824397 **Image available**
DEVICE AND METHOD FOR TRANSMISSION, DEVICE AND METHOD FOR RECEPTION, AND
SYSTEM AND METHOD FOR TRANSMISSION AND RECEPTION

PUB. NO.: 2001-051891 [JP 2001051891 A]
PUBLISHED: February 23, 2001 (20010223)
INVENTOR(s): YAMAGISHI YASUAKI
TAKABAYASHI KAZUHIKO
HARAOKA KAZUO
GONNO YOSHIHISA
NISHIO IKUHIKO
APPLICANT(s): JISEDAI JOHO HOSO SYSTEM KENKYUSHO KK
SONY CORP
APPL. NO.: 11-230608 [JP 99230608]
FILED: August 17, 1999 (19990817)

ABSTRACT

PROBLEM TO BE SOLVED: To set a filtering mask corresponding to an altered directory structure without newly setting the **filtering mask** each **time** difference update data of the directory structure are generated.
SOLUTION: On a transmission side 1, a replicator 12 detects changes of a directory structure managed...

3/3,K/11 (Item 11 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

04867696 **Image available**
VOICE DECODING DEVICE

PUB. NO.: 07-160296 [JP 7160296 A]
PUBLISHED: June 23, 1995 (19950623)
INVENTOR(s): OZAWA KAZUNORI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP
(Japan)
APPL. NO.: 05-310523 [JP 93310523]
FILED: December 10, 1993 (19931210)

ABSTRACT

...obtained. A filter coefficient calculating section 210 obtains a masking threshold value of hearing sense from the reproduced signal, and obtains a coefficient of a **post filter** corresponding to the **masking** threshold value. The coefficient is used for a post filter 200.

3/3,K/12 (Item 12 from file: 347)
DIALOG(R)File 347:JAPIO

(c) 2004 JPO & JAPIO. All rts. reserv.

04368189 **Image available**
SPEECH RECOGNIZING METHOD

PUB. NO.: 06-012089 [JP 6012089 A]
PUBLISHED: January 21, 1994 (19940121)
INVENTOR(s): AIKAWA KIYOAKI
 KAWAHARA HIDENORI
 HIGASHIKURA YOICHI
APPLICANT(s): A T R SHICHOKAKU KIKO KENKYUSHO KK [000000] (A Japanese
 Company or Corporation), JP (Japan)
APPL. NO.: 04-167832 [JP 92167832]
FILED: June 25, 1992 (19920625)
JOURNAL: Section: P, Section No. 1727, Vol. 18, No. 214, Pg. 12, April
 15, 1994 (19940415)

ABSTRACT

... analysis part 5. Further, a cepstrum coefficient is calculated by a cepstrum analysis part 6, and a dynamic cepstrum time sequence is obtained by performing **time frequency masking filtering** to cepstrum **time** sequence at a dynamic cepstrum generation part 7. A switch SW 1 is changed over, the vector quantization of the dynamic cepstrum is performed to...

3/3,K/13 (Item 13 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2004 JPO & JAPIO. All rts. reserv.

03148158 **Image available**
MASS SPECTROMETER FOR HIGH FREQUENCY INDUCTION BONDED PLASMA

PUB. NO.: 02-123658 [JP 2123658 A]
PUBLISHED: May 11, 1990 (19900511)
INVENTOR(s): OGAWA AKIKO
 MATSUZAKI HISAFUMI
 KISHI YOKO
APPLICANT(s): YOKOGAWA ELECTRIC CORP [000650] (A Japanese Company or
 Corporation), JP (Japan)
APPL. NO.: 63-275525 [JP 88275525]
FILED: October 31, 1988 (19881031)
JOURNAL: Section: E, Section No. 958, Vol. 14, No. 354, Pg. 52, July
 31, 1990 (19900731)

ABSTRACT

PURPOSE: To grasp the pattern of a **mask filter** via one **time** of adjustment by changing a measurement condition in a spectrometer body while concurrently monitoring the count values of three mass numbers on a work station...

... measured count values are sent to the station 22. According to the aforesaid construction, it is possible to grasp the Q-ball pattern of a **mask filter** with one **time** of sensitivity adjustment.

?

File 2:INSPEC 1969-2004/May W2
(c) 2004 Institution of Electrical Engineers

File 6:NTIS 1964-2004/May W3
(c) 2004 NTIS, Intl Cpyrght All Rights Res

File 8:Bi Compendex(R) 1970-2004/May W2
(c) 2004 Elsevier Eng. Info. Inc.

File 34:SciSearch(R) Cited Ref Sci 1990-2004/May W2
(c) 2004 Inst for Sci Info

File 35:Dissertation Abs Online 1861-2004/Apr
(c) 2004 ProQuest Info&Learning

File 65:Inside Conferences 1993-2004/May W3
(c) 2004 BLDSC all rts. reserv.

File 94:JICST-EPlus 1985-2004/Apr W4
(c)2004 Japan Science and Tech Corp(JST)

File 95:TEME-Technology & Management 1989-2004/May W1
(c) 2004 FIZ TECHNIK

File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Apr
(c) 2004 The HW Wilson Co.

File 144:Pascal 1973-2004/May W2
(c) 2004 INIST/CNRS

File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
(c) 2003 EBSCO Pub.

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning

File 483:Newspaper Abs Daily 1986-2004/May 17
(c) 2004 ProQuest Info&Learning

| Set | Items | Description |
|-----|-------|--|
| S1 | 131 | (TIME OR TEMPORAL OR NON()SIMULTANEOUS? OR NONSIMULTANEOUS OR NON()FREQUEN? OR NONFREQUEN? OR FORWARD OR BACKWARD OR PRE OR POST) (N1) (MASK OR MASKS OR MASKING) (N1) FILTER? |
| S2 | 106 | RD S1 (unique items) |
| S3 | 91 | S2 NOT PY>2000 |
| S4 | 7 | S3 AND (AUDIO OR SOUND OR MUSIC) |
| S5 | 4 | S3 AND DIGITAL |
| S6 | 3 | S5 NOT S4 |
| S7 | 1 | S3 AND (CODE? ? OR CODING?) NOT (S4 OR S6) |
| S8 | 4378 | AU=(PAI, W? OR PAI W?) OR CO=SONY |
| S9 | 0 | S8 AND S3 |

4/3,K/1 (Item 1 from file: 94)
DIALOG(R) File 94:JICST-EPlus
(c)2004 Japan Science and Tech Corp(JST). All rts. reserv.

01941058 JICST ACCESSION NUMBER: 94A0173345 FILE SEGMENT: JICST-E
Speech Quality Assessment Using Objective Measure Based on Loudness Model.
WATANABE TOSHIRO (1); HAYASHI SHINJI (1)
(1) Nippon Telegraph & Telephone Corp., Human Interface Lab.
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report
(Institute of Electronics, Information and Communication Engineers),
1994, VOL.93,NO.426(SP93 118-127), PAGE.1-8, FIG.10, TBL.1, REF.13
JOURNAL NUMBER: S0532BBG
UNIVERSAL DECIMAL CLASSIFICATION: 681.3:801.4
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan
DOCUMENT TYPE: Journal
ARTICLE TYPE: Original paper
MEDIA TYPE: Printed Publication

...ABSTRACT: medium- and low-bit-rate coded speech. This measure takes into
account following two types of masking effects: (1) masking effects from
adjacent critical band **filters**, and (2) **forward temporal masking**
. In tests with 4-8kb/s coded speech, BSDR predicted mean opinion
score(MOS) ratings notably better than customary measures. Transmission
errors little influenced the...
BROADER DESCRIPTORS: **sound analysis**...

4/3,K/2 (Item 1 from file: 144)
DIALOG(R) File 144:Pascal
(c) 2004 INIST/CNRS. All rts. reserv.

12040976 PASCAL No.: 95-0236763
**Onset-sensitive time-frequency masking and its application to speech
recognition**
AIKAWA Kiyoaki
ATR Human Information Process. Res. Labs., 2-2 Hikaridai, Seika-cho,
Soraku-gun, Kyoto, 619-02 Japan
The 129th Meeting of the Acoustical Society of America (Washington, DC
(USA)) 1995-05-30/1995-06-03
Journal: Journal of the Acoustical Society of America, 1995-05, 97 (5)
3244-3244
Language: English

Copyright (c) 1995 American Institute of Physics

... reported to provide excellent performance when used for
speaker-dependent and speaker-independent speech recognition. The masking
pattern production mechanism was previously modeled by a **time** -invariant
time -frequency **filter**, but the **masking** level rises at the onsets and
offsets in a speech **sound** (T. Hirahara, J. Acoust. Soc. Jpn. E12 (2),
57-68 (1991); E. Miyasaka, J. Acoust. Soc. Jpn. 39 (9), 614-623 (1983)).
This phenomenon suggests...
...preceding spectra obtained by time-distance-dependent spectral smoothing
lifters. The masking level is controlled by the slope of the temporal
contour of the instantaneous **sound** energy. The masked spectrum is
obtained by subtracting the masking pattern from the current spectrum.
Onset-offset-sensitive masking models are also examined.

4/3,K/3 (Item 1 from file: 434)

DIALOG(R)File 434:SciSearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

08897587 Genuine Article#: P2124 No. References: 32
Title: SUBWOOFER PERFORMANCE FOR ACCURATE REPRODUCTION OF MUSIC
Author(s): FIELDER LD; BENJAMIN EM
Corporate Source: DOLBY LABS INC,DIGITAL AUDIO GRP/SAN FRANCISCO//CA/94103
Journal: JOURNAL OF THE AUDIO ENGINEERING SOCIETY, 1988, V36, N6, P443-456
Language: ENGLISH Document Type: ARTICLE

Title: SUBWOOFER PERFORMANCE FOR ACCURATE REPRODUCTION OF MUSIC
Research Fronts: 86-5536 001 (COMPOUND ACTION-POTENTIAL TUNING CURVES;
FORWARD MASKING ; AUDITORY FILTER)

4/3,K/4 (Item 2 from file: 434)
DIALOG(R)File 434:SciSearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

08825920 Genuine Article#: N6208 No. References: 97
Title: COMPLEX SOUND ANALYSIS (FREQUENCY RESOLUTION, FILTERING AND SPECTRAL INTEGRATION) BY SINGLE UNITS OF THE INFERIOR COLLICULUS OF THE CAT
Author(s): EHRET G; MERZENICH MM
Corporate Source: UNIV CONSTANCE,FAK BIOL,POSTFACH 5560/D-7750
CONSTANCE//FED REP GER/; UNIV CALIF SAN FRANCISCO,DEPT
OTOLARYNGOL,COLEMAN LAB/SAN FRANCISCO//CA/94143
Journal: BRAIN RESEARCH REVIEWS, 1988, V13, N2, P139-163
Language: ENGLISH Document Type: REVIEW, BIBLIOGRAPHY

Title: COMPLEX SOUND ANALYSIS (FREQUENCY RESOLUTION, FILTERING AND SPECTRAL INTEGRATION) BY SINGLE UNITS OF THE INFERIOR COLLICULUS OF THE CAT

...Research Fronts: FREQUENCY-SELECTIVITY OF HEARING; HEARING-IMPAIRED LISTENERS; SPEECH-RECEPTION THRESHOLD IN NOISE; UNILATERAL COCHLEAR IMPAIRMENTS; FORWARD MASKING)
86-5536 001 (COMPOUND ACTION-POTENTIAL TUNING CURVES; FORWARD MASKING ; AUDITORY FILTER)
86-5778 001 (BRAIN-STEM AUDITORY EVOKED-POTENTIALS; 40 HZ RESPONSES; SINGLE NEURONS IN THE INFERIOR COLLICULUS)
86-8251 001 (MODULATION DETECTION; SENSATION LEVEL; FM...

4/3,K/5 (Item 3 from file: 434)
DIALOG(R)File 434:SciSearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

08618904 Genuine Article#: M2108 No. References: 18
Title: TRANSFORM CODING OF AUDIO SIGNALS USING PERCEPTUAL NOISE CRITERIA
Author(s): JOHNSTON JD
Corporate Source: AT&T BELL LABS,SIGNAL PROC RES DEPT/MURRAY HILL//NJ/07974
Journal: IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, 1988, V6, N2, P 314-323
Language: ENGLISH Document Type: ARTICLE

Title: TRANSFORM CODING OF AUDIO SIGNALS USING PERCEPTUAL NOISE CRITERIA
Research Fronts: 86-5536 001 (COMPOUND ACTION-POTENTIAL TUNING CURVES;
FORWARD MASKING ; AUDITORY FILTER)

4/3,K/6 (Item 4 from file: 434)
DIALOG(R)File 434:SciSearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

08378929 Genuine Article#: K3817 No. References: 42
Title: **PSYCHOPHYSICS OF NORMAL AND IMPAIRED HEARING**
Author(s): MOORE BCJ
Corporate Source: UNIV CAMBRIDGE,DEPT EXPTL PSYCHOL/CAMBRIDGE//ENGLAND/
Journal: BRITISH MEDICAL BULLETIN, 1987, V43, N4, P887-908
Language: ENGLISH Document Type: ARTICLE

Research Fronts: 86-5075 001 (BINAURAL HEARING; INTERAURAL TIME DELAYS OF
NOISE STIMULI; DISCRIMINATION OF **SOUND** SIGNALS SIMULATING **SOUND**
SOURCE MOVEMENT)
86-5536 001 (COMPOUND ACTION-POTENTIAL TUNING CURVES; **FORWARD**
MASKING ; AUDITORY **FILTER**)
86-7779 001 (HEARING-IMPAIRED LISTENERS; CONSONANT RECOGNITION; VOWEL
CONFUSIONS)
86-7825 001 (SEPARATE TONES IN HARMONIC COMPLEXES; THRESHOLDS FOR
HEARING MISTUNED PARTIALS; TIMBER OF...

4/3,K/7 (Item 5 from file: 434)
DIALOG(R)File 434:SciSearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

08289171 Genuine Article#: J6749 No. References: 21
Title: **EVALUATION OF THE AUDIBLE DISTORTION AND NOISE PRODUCED BY DIGITAL**
AUDIO CONVERTERS
Author(s): FIELDER LD
Corporate Source: DOLBY LABS INC/SAN FRANCISCO//CA/94103
Journal: JOURNAL OF THE AUDIO ENGINEERING SOCIETY, 1987, V35, N7-8, P
517-535
Language: ENGLISH Document Type: ARTICLE

Title: **EVALUATION OF THE AUDIBLE DISTORTION AND NOISE PRODUCED BY DIGITAL**
AUDIO CONVERTERS

Research Fronts: 86-5536 001 (COMPOUND ACTION-POTENTIAL TUNING CURVES;
FORWARD MASKING ; AUDITORY **FILTER**)

?

6/3,K/1 (Item 1 from file: 2)
DIALOG(R) File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

6077842 INSPEC Abstract Number: B9812-6140C-482, C9812-5260B-280
Title: Realizing digital filters with an incoherent correlator
Author(s): Gang Cheng; Guofan Jin; Minxian Wu; Haisong Liu; Qingsheng He; Shifu Yuan
Author Affiliation: State Key Lab. of Precision Meas. Technol. & Instrum., Tsinghua Univ., Beijing, China
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3388 p.189-95
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 1998 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(1998)3388L:189:RDFW;1-2
Material Identity Number: C574-98211
U.S. Copyright Clearance Center Code: 0277-786X/98/\$10.00
Conference Title: Advances in Optical Information Processing VIII
Conference Sponsor: SPIE
Conference Date: 15-16 April 1998 Conference Location: Orlando, FL, USA
Language: English
Subfile: B C
Copyright 1998, IEE

Title: Realizing digital filters with an incoherent correlator

Abstract: In this paper a novel method of realizing digital filters in an incoherent correlator is proposed. A gray-scale complementary encoding method is used to express the positive and negative numbers simultaneously so that the digital filtering will be simplified into a convolution of the encoding images and corresponding filter mask followed by a subtraction operation, which is easily done by optical method or computer. Based on the new method a compact incoherent optical digital filtering unit (IODFU) is built up. In the IODFU a SHARP QA-1200 8.4" active matrix TFT liquid crystal display panel is used for displaying the gray-scale images to be analyzed and the filter masks at the same time. The images and filters can be changed by computer-controlling for different destinations. The IODFU is very compact and the processing speed can get to...

...Descriptors: digital filters

Identifiers: digital filters realisation...

...incoherent optical digital filtering unit...

...optical digital processing

6/3,K/2 (Item 2 from file: 2)
DIALOG(R) File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03358807 INSPEC Abstract Number: B89032465, C89024115
Title: An approach to fingerprint filter design
Author(s): O'Gorman, L.; Nickerson, J.V.
Author Affiliation: AT&T Bell Labs., Murray Hill, NJ, USA
Journal: Pattern Recognition vol.22, no.1 p.29-38
Publication Date: 1989 Country of Publication: UK
CODEN: PTNRA8 ISSN: 0031-3203
U.S. Copyright Clearance Center Code: 0031-3203/89/\$3.00+.00

Language: English
Subfile: B C

...Abstract: image features, determination of local ridge orientations throughout the image, smoothing of this orientation image, pixel-by-pixel image enhancement by application of oriented, matched **filter masks**, and **post**-processing to reduce background and boundary noise. The contribution of this work is to quantify and justify the functional relationships between image features and filter...

...Descriptors: **digital filters**

6/3,K/3 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
(c) 2004 Elsevier Eng. Info. Inc. All rts. reserv.

06129781 E.I. No: EIP02377086888

Title: Realizing digital filters with an incoherent correlator

Author: Cheng, Gang; Jin, Guofan; Wu, Minxian; Liu, Haisong; He, Qingsheng; Yuan, Shifu

Corporate Source: State Key Laboratory of PMTI Tsinghua University, 100084 Beijing, China

Conference Title: Advances in Optical Information Processing VIII

Conference Location: Orlando, FL, United States Conference Date: 19980415-19980416

E.I. Conference No.: 59539

Source: Proceedings of SPIE - The International Society for Optical Engineering v 3388 1998. p 189-195

Publication Year: 1998

CODEN: PSISDG ISSN: 0277-786X

Language: English

Title: Realizing digital filters with an incoherent correlator

Abstract: In this paper a novel method of realizing **digital filters** in an incoherent correlator is proposed. A gray-scale complementary encoding method is used to express the positive and negative numbers simultaneously so that the **digital filtering** will be simplified into a convolution of the encoding images and corresponding **filter mask** followed by a subtraction operation, which is easily done by optical method or computer. Based on the new method an compact Incoherent Optical **Digital Filtering Unit (IODFU)** is built up. In the IODFU a SHARP QA-1200 8.4'' active matrix TFT liquid crystal display (LCD) panel is used for displaying the gray-scale images to be analyzed and the **filter masks** at the same time. The images and filters can be changed by computer-controlling for different destinations. The IODFU is very compact and the processing speed can get to...

Descriptors: **Digital filters**; Correlators; Image coding; Liquid crystal displays; Image analysis; Light modulators
?

7/3,K/1 (Item 1 from file: 434)
DIALOG(R)File 434:SciSearch(R) Cited Ref Sci
(c) 1998 Inst for Sci Info. All rts. reserv.

07902086 Genuine Article#: G0758 No. References: 47

Title: CURRENT SOURCE DENSITY ANALYSIS OF FREQUENCY CODING IN THE
INFERIOR COLLICULUS

Author(s): HARRIS DM

Corporate Source: UNIV ILLINOIS,EYE & EAR INFIRM,COLL MED,DEPT OTOLARYNGOL
HEAD & NECK SURG,1855 W TAYLOR ST/CHICAGO//IL/60612

Journal: HEARING RESEARCH, 1987, V25, N2-3, P257-266

Language: ENGLISH Document Type: ARTICLE

Title: CURRENT SOURCE DENSITY ANALYSIS OF FREQUENCY CODING IN THE
INFERIOR COLLICULUS

...Research Fronts: AUDITORY-NERVE FIBERS; TONES IN NOISE; NEURONS IN THE
AUDITORY MIDBRAIN; INFERIOR COLLICULUS OF CAT; ACOUSTIC NERVE)

86-5536 001 (COMPOUND ACTION-POTENTIAL TUNING CURVES; FORWARD
MASKING ; AUDITORY FILTER)

?

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: R1 Han Examiner #: 79457 Date: 5/13/04
 Art Unit: 2654 Phone Number 30 702-305-5631 Serial Number: 09/675541
 Mail Box Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

*only the phrase
+
digital audio coding*

12:10

STAFF USE ONLY

| | Type of Search | Vendors and cost where applicable |
|---|---|-----------------------------------|
| Searcher: <u>Vamshi Kalakunte</u> | NA Sequence (#) _____ | STN _____ |
| Searcher Phone #: <u>702 306 0254</u> | AA Sequence (#) _____ | Dialog _____ |
| Searcher Location: <u>PK2 3003</u> | Structure (#) _____ | Questel/Orbit _____ |
| Date Searcher Picked Up: <u>05/18/04 8:45</u> | Bibliographic <input checked="" type="checkbox"/> | Dr.Link _____ |
| Date Completed: <u>05/18/04 10:05</u> | Litigation _____ | Lexis/Nexis _____ |
| Searcher Prep & Review Time: <u>20</u> | Fulltext <input checked="" type="checkbox"/> | Sequence Systems _____ |
| Clerical Prep Time: _____ | Patent Family _____ | WWW/Internet _____ |
| Online Time: <u>60</u> | Other _____ | Other (specify) _____ |

File 348:EUROPEAN PATENTS 1978-2004/May W01

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040513,UT=20040506

(c) 2004 WIPO/Univentio

| Set | Items | Description |
|-----|-------|--|
| S1 | 29 | (TIME OR TEMPORAL OR NON())SIMULTANEOUS? OR NONSIMULTANEOUS OR NON()FREQUEN? OR NONFREQUEN? OR FORWARD OR BACKWARD OR PRE OR POST) (1N) (MASK OR MASKS OR MASKING) (1N)FILTER? |
| S2 | 29 | IDPAT (sorted in duplicate/non-duplicate order) |
| S3 | 28 | IDPAT (primary/non-duplicate records only) |
| S4 | 16 | S3 NOT AD=20000929:20040520/PR |

4/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01532481
Apparatus for determining instantaneous elastic recoil pressure during ventilatory support
Gerat zur Bestimmung des momentanen elastischen Ruckgangdruckes wahrend Beatmungsunterstutzung
Appareil pour la determination de la pression de retraction elastique instantanee pendant le support ventilatoire

PATENT ASSIGNEE:
RESMED LIMITED, (1587900), 82 Waterloo Road, North Ryde, New South Wales 2113, (AU), (Applicant designated States: all)

INVENTOR:
Berthon-Jones, Michael, 7 Leonay Parade, Leonay, New South Wales 2750, (AU)

LEGAL REPRESENTATIVE:
Asquith, Julian Peter (76433), Marks & Clerk, 4220 Nash Court, Oxford Business Park South, Oxford, Oxfordshire OX4 2RU, (GB)

PATENT (CC, No, Kind, Date): EP 1277435 A1 030122 (Basic)
EP 1277435 A8 030625

APPLICATION (CC, No, Date): EP 2002102493 970923;
PRIORITY (CC, No, Date): AU 96PO2474 960923; WO 97AU517 970814
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; RO; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 1005829 (EP 2000104511)

EP 996358 (EP 2097939877)

INTERNATIONAL PATENT CLASS: A61B-005/087; A61M-016/00; A61B-005/085

ABSTRACT WORD COUNT: 161

NOTE:

Figure number on first page: 1A

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 200304 | 1286 |
| SPEC A | (English) | 200304 | 9091 |
| Total word count - document A | | | 10377 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 10377 |

...SPECIFICATION as the low pass filtered airflow, with a time constant long compared with a breath.

4. Calculate the mean mask pressure as the low pass filtered mask pressure, with a time constant long compared with a breath.

5. Calculate the modulation of the flow through the leak as: where the inducing pressure is P(MASK)) - mean mask...

4/3,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

01155265
Assisted ventilation to match patient respiratory need
An die Bedurfnisse des Patienten angepasste kunstliche Beatmung

Ventilation assistee pour repondre aux besoins respiratoires du patient

PATENT ASSIGNEE:

RESMED LIMITED, (1587900), 82 Waterloo Road, North Ryde, New South Wales
2113, (AU), (Proprietor designated states: all)

INVENTOR:

Berthon-Jones, Michael, 7 Leonay Parade, Leonay, New South Wales 2750,
(AU)

LEGAL REPRESENTATIVE:

Asquith, Julian Peter et al (76431), Marks & Clerk, 4220 Nash Court,
Oxford Business Park South, Oxford OX4 2RU, (GB)

PATENT (CC, No, Kind, Date): EP 1005830 A1 000607 (Basic)
EP 1005830 B1 030507

APPLICATION (CC, No, Date): EP 2000104528 970923;

PRIORITY (CC, No, Date): AU 96PO2474 960923; WO 97AU517 970814

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; RO; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 996358 (EP 97939877)

INTERNATIONAL PATENT CLASS: A61B-005/087

ABSTRACT WORD COUNT: 99

NOTE:

Figure number on first page: 1A

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 200023 | 560 |
| CLAIMS B | (English) | 200319 | 690 |
| CLAIMS B | (German) | 200319 | 650 |
| CLAIMS B | (French) | 200319 | 822 |
| SPEC A | (English) | 200023 | 10891 |
| SPEC B | (English) | 200319 | 8924 |
| Total word count - document A | | | 11454 |
| Total word count - document B | | | 11086 |
| Total word count - documents A + B | | | 22540 |

...SPECIFICATION as the low pass filtered airflow, with a time constant long compared with a breath.

4. Calculate the mean mask pressure as the low pass **filtered mask** pressure, with a **time** constant long compared with a breath.

5. Calculate the modulation of the flow through the leak as: where the inducing pressure is P(MASK)) - mean mask...

...SPECIFICATION as the low pass filtered airflow, with a time constant long compared with a breath.

4. Calculate the mean mask pressure as the low pass **filtered mask** pressure, with a **time** constant long compared with a breath.

5. Calculate the modulation of the flow through the leak as: where the inducing pressure is P(MASK)) - mean mask...

4/3,K/3 (Item 3 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01155264

Assisted ventilation to match patient respiratory need

An die Bedürfnisse des Patienten angepasste kunstliche Beatmung

Ventilation assistee pour repondre aux besoins respiratoires du patient

PATENT ASSIGNEE:

RESMED LIMITED, (1587900), 82 Waterloo Road, North Ryde, New South Wales
2113, (AU), (Proprietor designated states: all)

INVENTOR:

Berthon-Jones, Michael, 7 Leonay Parade, Leonay, New South Wales, 2750,
(AU)

LEGAL REPRESENTATIVE:

Asquith, Julian Peter (76431), Marks & Clerk, 4220 Nash Court, Oxford
Business Park South, Oxford OX4 2RU, (GB)

PATENT (CC, No, Kind, Date): EP 1005829 A1 000607 (Basic)

EP 1005829 B1 030423

EP 1005829 B8 030813

APPLICATION (CC, No, Date): EP 2000104511 970923;

PRIORITY (CC, No, Date): AU 96PO2474 960923; WO 97AU517 970814

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; RO; SI

RELATED PARENT NUMBER(S) - PN (AN):

EP 996358 (EP 97939877)

RELATED DIVISIONAL NUMBER(S) - PN (AN):

EP 1277435 (EP 2002102493)

INTERNATIONAL PATENT CLASS: A61B-005/087; A61M-016/00

ABSTRACT WORD COUNT: 57

NOTE:

Figure number on first page: 1A

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|----------------|-----------|--------|------------|
| CLAIMS A | (English) | 200023 | 75 |
| CLAIMS B | (English) | 200333 | 633 |
| CLAIMS B | (German) | 200333 | 575 |
| CLAIMS B | (French) | 200333 | 674 |
| SPEC A | (English) | 200023 | 10894 |
| SPEC B | (English) | 200333 | 8940 |

Total word count - document A 10971

Total word count - document B 10822

Total word count - documents A + B 21793

...SPECIFICATION as the low pass filtered airflow, with a time constant
long compared with a breath.

4. Calculate the mean mask pressure as the low pass filtered mask
pressure, with a time constant long compared with a breath.

5. Calculate the modulation of the flow through the leak as: where the
inducing pressure is P(MASK)) - mean mask...

...SPECIFICATION as the low pass filtered airflow, with a time constant
long compared with a breath.

4. Calculate the mean mask pressure as the low pass filtered mask
pressure, with a time constant long compared with a breath.

5. Calculate the modulation of the flow through the leak as: where the
inducing pressure is P(MASK)) - mean mask...

4/3,K/4 (Item 4 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01073797

Method and system for interpolation of digital signals

Verfahren und System zur Interpolation von digitalen Signalen

Methode et systeme d'interpolation de signaux numeriques

PATENT ASSIGNEE:

Sony International (Europe) GmbH, (2328250), Hugo-Eckener-Strasse 20,
50829 Koln, (DE), (Applicant designated States: all)

INVENTOR:

Wagner, Peter, c/o Sony Int. (Europe) GmbH, Stuttgart Technology Center,
Stuttgarter Strasse 106, 70736 Fellbach, (DE)

Schwendowius, Jorg, c/o Sony Int. (Europe) GmbH, Stuttgart Technology
Center, Stuttgarter Strasse 106, 70736 Fellbach, (DE)

Zimmermann, Klaus, c/o Sony Int. (Europe) GmbH, Stuttgart Technology
Center, Stuttgarter Strasse 106, 70736 Fellbach, (DE)

Erdler, Oliver, Gut-Heil-Strasse 13, 44145 Dortmund, (DE)

LEGAL REPRESENTATIVE:

Kottmann, Heinz Dieter, Dipl.-Ing. (6892), Patentanwalte MULLER &
HOFFMANN, Innere Wiener Strasse 17, 81667 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 946055 A1 990929 (Basic)

APPLICATION (CC, No, Date): EP 98104196 980309;

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04N-005/44; H04N-007/01

ABSTRACT WORD COUNT: 117

NOTE:

Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS A | (English) | 9939 | 683 |
| SPEC A | (English) | 9939 | 3053 |
| Total word count - document A | | | 3736 |
| Total word count - document B | | | 0 |
| Total word count - documents A + B | | | 3736 |

...SPECIFICATION a motion vector estimation.

Motion adaptive algorithms feature a motion detector component, which performs soft- or hard-switching between mere spatial interpolation or a spatio/ temporal interpolation, i.e. filter mask selection. The switching scheme includes thresholds and defined switching method. In other words, a motion signaling switches between spatial and spatio-temporal interpolation, i.e....

4/3,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2004 European Patent Office. All rts. reserv.

01027244

VIBRATION DATA PROCESSOR AND PROCESSING METHOD

VIBRATIONSDATENPROZESSOR UND PROZESSVERFAHREN

PROCESSEUR DE DONNEES VIBRATOIRES ET PROCEDE DE TRAITEMENT

PATENT ASSIGNEE:

SKF CONDITION MONITORING, INC., (1819130), 4141 Ruffin Road, San Diego,
CA 92123, (US), (Proprietor designated states: all)

INVENTOR:

MANNES, Philip, L., 1240 E. Lexington, El Cajon, CA 92019, (US)

BOERHOUT, Johannes, I., 5385 Lake Murray Boulevard, La Mesa, CA 91942,
(US)

LEGAL REPRESENTATIVE:

Van Malderen, Joelle et al (75971), Office Van Malderen, Place Reine
Fabiola 6/1, 1083 Bruxelles, (BE)

PATENT (CC, No, Kind, Date): EP 1000350 A1 000517 (Basic)

EP 1000350 B1 030402

WO 99006826 990211
APPLICATION (CC, No, Date): EP 98937227 980729; WO 98US15666 980729
PRIORITY (CC, No, Date): US 54084 P 970729; US 54085 P 970729; US 63022 P
971023; US 56155 980406
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: G01N-029/12; G01N-029/10
NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | 200314 | 492 |
| CLAIMS B | (German) | 200314 | 554 |
| CLAIMS B | (French) | 200314 | 610 |
| SPEC B | (English) | 200314 | 6993 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 8649 |
| Total word count - documents A + B | | | 8649 |

...SPECIFICATION 24-bit fixed point processor, with a theoretical limit of
40,000,000 multiplies and adds per second.

To model a high performance 1024 tap time domain FIR filter , the
filter mask is generated by calculating the actual frequency response
of a window designed FIR filter. This process is illustrated by the flow
chart of Figure 8...

4/3,K/6 (Item 6 from file: 348)
DIALOG(R) File 348:EUROPEAN PATENTS
(c) 2004 European Patent Office. All rts. reserv.

00943049

Determination of respiratory phase
Bestimmung der Ein/Ausatemphase eines Atemzykluses
Determination des phases d'un cycle respiratoire
PATENT ASSIGNEE:

RESMED LIMITED, (1587900), 82 Waterloo Road, North Ryde, New South Wales
2113, (AU), (Proprietor designated states: all)

INVENTOR:

BERTHON-JONES, Michael, 7 Leonay Parade, Leonay, NSW 2750, (AU)

LEGAL REPRESENTATIVE:

Asquith, Julian Peter et al (76431), Marks & Clerk, 4220 Nash Court,
Oxford Business Park South, Oxford OX4 2RU, (GB)

PATENT (CC, No, Kind, Date): EP 996358 A1 000503 (Basic)

EP 996358 B1 020123

WO 9812965 980402

APPLICATION (CC, No, Date): EP 97939877 970923; WO 97AU631 970923

PRIORITY (CC, No, Date): AU 96PO2474 960923; WO 97AU517 970814

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

EXTENDED DESIGNATED STATES: AL; LT; LV; RO; SI

RELATED DIVISIONAL NUMBER(S) - PN (AN):

EP 1005829 (EP 2000104511)

EP 1005830 (EP 2000104528)

INTERNATIONAL PATENT CLASS: A61B-005/087; A61M-016/00

NOTE:

No A-document published by EPO
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|----------------|----------|--------|------------|
|----------------|----------|--------|------------|

| | | | |
|------------------------------------|-----------|--------|-------|
| CLAIMS B | (English) | 200204 | 1200 |
| CLAIMS B | (German) | 200204 | 1099 |
| CLAIMS B | (French) | 200204 | 1396 |
| SPEC B | (English) | 200204 | 8910 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 12605 |
| Total word count - documents A + B | | | 12605 |

...SPECIFICATION as the low pass filtered airflow, with a time constant long compared with a breath.

4. Calculate the mean mask pressure as the low pass filtered mask pressure, with a time constant long compared with a breath.

5. Calculate the modulation of the flow through the leak as: where the inducing pressure is PMASK)) - mean mask...

4/3,K/7 (Item 7 from file: 348)
 DIALOG(R) File 348:EUROPEAN PATENTS
 (c) 2004 European Patent Office. All rts. reserv.

00568235

Speech recognition method

Verfahren zur Spracherkennung

Methode de reconnaissance du langage

PATENT ASSIGNEE:

ATR AUDITORY AND VISUAL PERCEPTION RESEARCH LABORATORIES, (1184140), 5
 Koaza Sanpeidani Oaza Inuidani Seika-cho Soraku-gun, Kyoto 619-02, (JP)
 , (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Aikawa, Kiyooki, ATR Human Inf. Processing Res.Lab, 5 Koaza Sanpeidani,
 Oaza Inuidani, Seika-cho, Soraku-gun, Kyoto, (JP)
 Kawahara, Hideki, ATR Human Inf.Processing Res.Lab, 5 Koaza Sanpeidani,
 Oaza Inuidani, Seika-cho, Soraku-gun, Kyoto, (JP)
 Tohkura, Yoh'ichi, ATR Human Inf. Process. Res.Lab, 5 Koaza Sanpeidani,
 Oaza Inuidani, Seika-cho, Soraku-gun, Kyoto, (JP)

LEGAL REPRESENTATIVE:

Prufer, Lutz H., Dipl.-Phys. (38294), Patentanwalt, Dipl.-Physiker Lutz
 H. Prufer, Dr. Habil. Jurgen Materne, Harthausen Strasse 25d, 81545
 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 575815 A1 931229 (Basic)
 EP 575815 B1 981021

APPLICATION (CC, No, Date): EP 93109222 930608;

PRIORITY (CC, No, Date): JP 92167832 920625

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G10L-005/06; G10L-007/08; G10L-009/06;

ABSTRACT WORD COUNT: 142

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

| Available Text | Language | Update | Word Count |
|------------------------------------|-----------|--------|------------|
| CLAIMS B | (English) | 9843 | 1109 |
| CLAIMS B | (German) | 9843 | 948 |
| CLAIMS B | (French) | 9843 | 1227 |
| SPEC B | (English) | 9843 | 4397 |
| Total word count - document A | | | 0 |
| Total word count - document B | | | 7681 |
| Total word count - documents A + B | | | 7681 |

...SPECIFICATION component of the speech is effected by performing, for example, a differential filtering on the speech wave.

A dynamic cepstrum generating unit 7 provides a time frequency

masking filter on the cepstrum time sequence to obtain a time sequence of dynamic cepstrum. Respective coefficients of the masking lifter are set to $q_0)=7$, $(\alpha)=0.25$, $(\beta)=0\dots$ four frequencies by four frequencies, so that the spectra are converted to logarithmic spectra having 32 frequency points.

Masked spectrum generating unit 20 provides a time frequency masking filter of the logarithmic spectrum time sequence to provide a time sequence of the masked spectrum. The time frequency masking filter is obtained by Fourier transform of the masking lifter for the dynamic cepstrum of the embodiment 1 or 2.

A switch SW1 is for switching...

...CLAIMS spectrum calculating unit (19) for obtaining a logarithmic spectrum time sequence from the Fourier transform, and
a masked spectrum generating unit (20) for obtaining a time frequency masking filter of the logarithmic spectrum time sequence to provide a time sequence of the masked spectrum.

4/3,K/8 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00890321 **Image available**

WATERMARKING IN THE TIME-FREQUENCY DOMAIN

FILIGRANE INTRODUIT DANS LE DOMAINE TEMPS-FREQUENCE

Patent Applicant/Assignee:

DIGIMARC CORPORATION, Suite 100, 19801 SW 72nd Avenue, Tualatin, OR 97062
, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

HANNIGAN Brett T, 7400 SW Barnes Rd. #262, Portland, OR 97225-7008, US,
US (Residence), US (Nationality), (Designated only for: US)
LEVY Kenneth L, 110 NE Cedar Street, Stevenson, WA 98648, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

MEYER Joel R (agent), Digimarc Corporation, Suite 100, 19801 SW 72nd Avenue, Tualatin, OR 97062, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200223883 A2-A3 20020321 (WO 0223883)

Application: WO 2001US28927 20010913 (PCT/WO US0128927)

Priority Application: US 2000661900 20000914

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE

SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 10140

Fulltext Availability:

Detailed Description

Detailed Description

... spectrum carrier signal (a PN sequence in the time frequency domain or 2D array modulated with an auxiliary message). To show both the

simultaneous and nonsimultaneous masking attributes of the filter ,
the top drawing in Fig. 3B shows a three dimensional perspective
(magnitude vs. time vs. frequency) of the filter, and the bottom drawings
show the...

4/3,K/9 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00579405 **Image available**

SHARPNESS ENHANCEMENT

ACCROISSEMENT DU CONTRASTE

Patent Applicant/Assignee:

KONINKLIJKE PHILIPS ELECTRONICS N V,
SCOGNAMIGLIO Gaetano,
RIZZI Andrea,
ALBANI Luigi,
RAMPONI Giovanni,

Inventor(s):

SCOGNAMIGLIO Gaetano,
RIZZI Andrea,
ALBANI Luigi,
RAMPONI Giovanni,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200042778 A1 20000720 (WO 0042778)

Application: WO 2000EP351 20000114 (PCT/WO EP0000351)

Priority Application: EP 99200102 19990115; EP 99200722 19990310; EP
99201965 19990618

Designated States: JP KR US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL
PT SE

Publication Language: English

Fulltext Word Count: 13539

Fulltext Availability:

Detailed Description

Detailed Description

... fast motions. Let us consider for example the case of an object moving
quickly on a uniform background: if the object is present in the filter
mask at time t , but not at times $t-1$ and $t+1$, the value of $s(n, m, t)$
is considered as impulse noise by the temporal...

4/3,K/10 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00475474 **Image available**

VIBRATION DATA PROCESSOR AND PROCESSING METHOD

PROCESSEUR DE DONNEES VIBRATOIRES ET PROCEDE DE TRAITEMENT

Patent Applicant/Assignee:

SKF CONDITION MONITORING INC,

Inventor(s):

MANNES Philip L,
BOERHOUT Johannes I,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9906826 A1 19990211

Application: WO 98US15666 19980729 (PCT/WO US9815666)

Priority Application: US 9754084 19970729; US 9754085 19970729; US

9763022 19971023; US 9856155 19980406
Designated States: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 8501

Fulltext Availability:
Detailed Description

Detailed Description

... 24-bit fixed point processor, with a theoretical limit of 40,000,000 multiplies and adds per second.

To model a high performance 1024 tap **time domain FIR filter**, the **filter mask** is generated by calculating the actual frequency response of a window designed FIR filter. This process is illustrated by the flow chart of Figure B...

4/3,K/11 (Item 4 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00463101 **Image available**
APPARATUS AND METHOD FOR EMBEDDING AND EXTRACTING INFORMATION IN ANALOG SIGNALS USING DISTRIBUTED SIGNAL FEATURES
SYSTEME ET PROCEDE D'INTEGRATION OU D'EXTRACTION DE DONNEES DANS DES SIGNAUX ANALOGIQUES AU MOYEN DE CARACTERISTIQUES DE SIGNAL DISTRIBUEES

Patent Applicant/Assignee:

ARIS TECHNOLOGIES INC,

Inventor(s):

PETROVIC Rade,
JEMILI Kanaan,
WINOGRAD Joseph M,
METOIS Eric,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9853565 A1 19981126

Application: WO 98US9587 19980512 (PCT/WO US9809587)

Priority Application: US 97858562 19970519; US 97974920 19971120

Designated States: CA JP KR AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 9383

Fulltext Availability:

Detailed Description

Detailed Description

... as ASICs (Application Specific Integrated Circuits), general purpose digital signal processors, 19 microprocessors and equivalent apparatus. Further, it is possible for the characteristics of the **filter / mask** to change over **time** according to a predefined pattern which may have characteristic changes of varying duration. Finally, it is noted that a function similar to that of the...

4/3,K/12 (Item 5 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00394439

**PEPTIDYL FLUORESCENT CHEMOSENSOR FOR DIVALENT ZINC
CHIMIODETECTEUR PEPTIDIQUE FLUORESCENT, POUR LE ZINC DIVALENT**

Patent Applicant/Assignee:

CALIFORNIA INSTITUTE OF TECHNOLOGY,

Inventor(s):

IMPERIALI Barbara,

WALKUP Grant K,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9735182 A1 19970925

Application: WO 97US4672 19970321 (PCT/WO US9704672)

Priority Application: US 96620151 19960322

Designated States: JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 7043

Fulltext Availability:

Detailed Description

Detailed Description

... excitation

wavelength = 333 nm, emission wavelength = 400-750 nm,
excitation band pass 4 mm, emission band pass = 2 mm, lamp
potential = 975 V, gain = 10, filter (time constant) 3, To
mask the effects of adventitious metal ions present prior to
the initiation of metal titration, small aliquots of EDTA were
added (in increments of 0,5...

4/3,K/13 (Item 6 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00362268 **Image available**

**AN IMPROVED METHOD AND APPARATUS FOR DETECTING OPTIMAL ENDPOINTS IN PLASMA
ETCH PROCESSES**

**PROCEDE ET DISPOSITIF POUR LA DETECTION DE POINTS D'EXTREMITE OPTIMAUX DANS
L'ATTAQUE AU PLASMA**

Patent Applicant/Assignee:

LAM RESEARCH CORPORATION,

Inventor(s):

LIU Alexander F,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9702593 A1 19970123

Application: WO 96US11016 19960628 (PCT/WO US9611016)

Priority Application: US 95497461 19950630

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB

GE HU IL IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ

PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN KE LS MW SD SZ UG AT

BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN

ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 7147

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... Block 84, is intended to eliminate some of the noise

that is picked up during the sampling process

Decision Block 86 represents the step of **masking pre - filtered** data from further expected but noise is typically very heavy due to initiation of the etching process. If the pre-established delay

Claim

... channels at a
predetermined rate to produce a set of raw samples;
pre-filtering each of said sets of raw data to produce sets of **pre - filtered** data;
d data;
masking said sets of **pre - filtered** data for a delay time;
normalizing said sets of

4/3,K/14 (Item 7 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00340047 **Image available**

ELECTRO-OPTICAL FILTER

FILTRE ELECTRO-OPTIQUE

Patent Applicant/Assignee:

BUTCHER Roland,

Inventor(s):

BUTCHER Roland,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9622559 A1 19960725

Application: WO 96AU23 19960118 (PCT/WO AU9600023)

Priority Application: AU 95613 19950118; AU 953165 19950525; AU 956182 19951026

Designated States: AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB

GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL

PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AZ

BY KG KZ RU TJ TM AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ

CF CG CI CM GA GN ML MR NE SN TD TG

Fulltext Word Count: 6539

Fulltext Availability:

Detailed Description

Detailed Description

... It follows from the above that there is a significantly smaller number of components required in embodiments of the present invention to produce a real time contrast modulation or **masking filter** by making unnecessary all multiplexed signal generating circuitry required in the prior art. Without the need for signal addressing componentry, smaller power supplies can be...

4/3,K/15 (Item 8 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2004 WIPO/Univentio. All rts. reserv.

00288124 **Image available**

ILLUMINATING SUBJECTS FOR CINEMATOGRAPHY AND THE LIKE

ECLAIRAGE DE SUJETS A DES FINS CINEMATOGRAPHIQUES ET AUTRES

Patent Applicant/Assignee:

FOX Michael David,
Inventor(s):
FOX Michael David,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9506273 A1 19950302
Application: WO 94GB1828 19940819 (PCT/WO GB9401828)
Priority Application: GB 9317364 19930820; GB 94228 19940107
Designated States: AM AT AU BB BG BR BY CA CH CN CZ CZ DE DE DK DK ES FI
FI GB GE HU JP KE KG KP KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO
RU SD SE SI SK SK TJ TT UA US UZ VN KE MW SD AT BE CH DE DK ES FR GB GR
IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Fulltext Word Count: 7908

Fulltext Availability:
Detailed Description

Detailed Description

... or frame of the
apparatus.

In a second aspect, the invention provides an apparatus comprising a frame or other support means and a pluralit of filter gels, pre-printed masks or like elements, ...to span frames of different sizes. Of course, folding elements may also be provided, as described above with reference to Fig. 4.

Flexible sheets of filter material or pre-printed masks can be mounted magnetically on the front or back of the frame 50, just as described above with reference to Fig. 9. As an additional...

4/3,K/16 (Item 9 from file: 349)
DIALOG(R) File 349:PCT FULLTEXT
(c) 2004 WIPO/Univentio. All rts. reserv.

00117970 **Image available**
AUTOMATIC SEMICONDUCTOR SURFACE INSPECTION APPARATUS AND METHOD
PROCEDE ET APPAREIL D'INSPECTION AUTOMATIQUE D'UNE SURFACE DE
SEMICONDUCTEUR

Patent Applicant/Assignee:

CONTREX INC,
BRAUNER Raul A,
ESRIG Paul,
LIFF Harold,
ULLMAN Shimon,

Inventor(s):

BRAUNER Raul A,
ESRIG Paul,
LIFF Harold,
ULLMAN Shimon,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8401212 A1 19840329
Application: WO 82US1277 19820920 (PCT/WO US8201277)
Priority Application: WO 82US1277 19820920

Designated States: AT BE CH DE FR GB JP LU NL SE US

Publication Language: English

Fulltext Word Count: 40602

Fulltext Availability:

Detailed Description

Detailed Description

... PERFORM A 'vTIME DOMAIN CONVOLUTION"

BETWEEN THE RESPECTIVE ELEMENTS OF TWO AP DATA MEMORY DATA BUFFERS. ONE CONTAINS THE SIGNAL AND THE OTHER THE **FILTER (MASK)**.

TITLE KCONV - HSTFNC: **TIME** CONVOLUTION
'IDENT /Vol/ ;IDENTIFIER FOR THE OBJECT MODULE.

"T
U `73 T 7
.PAGE
;ESTABLISH ASSEMBLY AN13 LISTING CONVENTIONS.

.XLIST TTM ;PRODUCE LISTING IN WIDE...

?

File 9:Business & Industry(R) Jul/1994-2004/May 14
(c) 2004 The Gale Group
File 15:ABI/Inform(R) 1971-2004/May 17
(c) 2004 ProQuest Info&Learning
File 16:Gale Group PROMT(R) 1990-2004/May 18
(c) 2004 The Gale Group
File 20:Dialog Global Reporter 1997-2004/May 18
(c) 2004 The Dialog Corp.
File 47:Gale Group Magazine DB(TM) 1959-2004/May 17
(c) 2004 The Gale group
File 75:TGG Management Contents(R) 86-2004/May W2
(c) 2004 The Gale Group
File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/May 18
(c) 2004 The Gale Group
File 88:Gale Group Business A.R.T.S. 1976-2004/May 17
(c) 2004 The Gale Group
File 98:General Sci Abs/Full-Text 1984-2004/May
(c) 2004 The HW Wilson Co.
File 112:UBM Industry News 1998-2004/Jan 27
(c) 2004 United Business Media
File 141:Readers Guide 1983-2004/May
(c) 2004 The HW Wilson Co
File 148:Gale Group Trade & Industry DB 1976-2004/May 18
(c)2004 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2004/May 18
(c) 2004 The Gale Group
File 264:DIALOG Defense Newsletters 1989-2004/May 17
(c) 2004 The Dialog Corp.
File 369:New Scientist 1994-2004/May W2
(c) 2004 Reed Business Information Ltd.
File 484:Periodical Abs Plustext 1986-2004/May W2
(c) 2004 ProQuest
File 553:Wilson Bus. Abs. FullText 1982-2004/May
(c) 2004 The HW Wilson Co
File 570:Gale Group MARS(R) 1984-2004/May 18
(c) 2004 The Gale Group
File 608:KR/T Bus.News. 1992-2004/May 18
(c)2004 Knight Ridder/Tribune Bus News
File 620:EIU:Viewswire 2004/May 17
(c) 2004 Economist Intelligence Unit
File 613:PR Newswire 1999-2004/May 18
(c) 2004 PR Newswire Association Inc
File 621:Gale Group New Prod.Annou.(R) 1985-2004/May 17
(c) 2004 The Gale Group
File 623:Business Week 1985-2004/May 17
(c) 2004 The McGraw-Hill Companies Inc
File 624:McGraw-Hill Publications 1985-2004/May 17
(c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2004/May 17
(c) 2004 San Jose Mercury News
File 635:Business Dateline(R) 1985-2004/May 15
(c) 2004 ProQuest Info&Learning
File 636:Gale Group Newsletter DB(TM) 1987-2004/May 18
(c) 2004 The Gale Group
File 647:CMP Computer Fulltext 1988-2004/May W2
(c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/May W3
(c) 2004 IDG Communications
File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

| Set | Items | Description |
|-----|-------|---|
| S1 | 32 | (TIME OR TEMPORAL OR NON())SIMULTANEOUS? OR NONSIMULTANEOUS OR NON()FREQUEN? OR NONFREQUEN? OR FORWARD OR BACKWARD OR PRE OR POST) (1N) (MASK OR MASKS OR MASKING) (1N) FILTER? |
| S2 | 18 | RD S1 (unique items) |
| S3 | 14 | S2 NOT PY>2000 |

3/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00783990 94-33382
3M's sophisticated formula for teamwork
Allio, Michael K
Planning Review v21n6 PP: 19-21 Nov/Dec 1993
ISSN: 0094-064X JRNL CODE: PLR
WORD COUNT: 1753

...ABSTRACT: to learn how to dramatically compress product development time. Their first challenge was to design and deliver to market a respirator - a gas/vapor/particle **filtering face mask** - in record time. Lessons Hershock and Braun learned about managing action teams included: 1. Commit to upfront planning. 2. Secure support and buy-in from senior management. 3...

...TEXT: to dramatically compress product development time. Their first challenge: Design and deliver to market a "new to the world" respirator--a gas/vapor/particle personal **filtering face mask** --in record time.

Hershock and his colleagues responded with a bold new approach that cut across the grain of 3M's corporate culture. They would have to move...

3/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

05195928 Supplier Number: 47928414 (USE FORMAT 7 FOR FULLTEXT)
C-Cube Introduces DVxpert MPEG-2 Product Line, Establishing New Quality Standard for Professional Video Market; New PerfectView Algorithm Addresses Critical Quality and Flexibility Demands for DTV and Professional Studio Applications.

Business Wire, p8251301
August 25, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 782

... and ensures optimal channel efficiency with Statistical Multiplexing.

C-Cube's patented PerfectView encoding technology delivers the clearest image quality with advanced capabilities such as **pre - filtering**, error **masking** and Inverse Telecine.

DVxpert 6210 Professional Encoder
The DVxpert 6210 Professional Encoder can compress video images into either MPEG-2 Main-Level @ 4:2:2...

3/3,K/3 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02719869 Supplier Number: 43636854 (USE FORMAT 7 FOR FULLTEXT)
SuperMac licenses technology
Computer Reseller News, p64
Feb 8, 1993
Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade
Word Count: 153

... After Effects, from The Co. of Science & Art, Providence, R.I.
CoSA After Effects gives Macintosh users video post-production tools; allows users to apply **time-based filters**, transitions, **masks** and special effects; do complex layering; as well as set multiple key frames, among other features.

3/3,K/4 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02362995 Supplier Number: 43101659 (USE FORMAT 7 FOR FULLTEXT)
PRE-FILTERS NOW APPROVED FOR SURVIVAIR SERIES 86 APR
News Release, p1
June 26, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 227

... each individual face was designed to improve wearer comfort. The respirator is offered in three sizes.

For more information about the Series 86 disposable half- **mask** respirator **pre - filters**, please contact Survivair, 3001 S. Susan Street, Santa Ana, CA 92704; 800/821-7236 or 714/545-0410 in California.

Established in 1961, Survivair designs...

3/3,K/5 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

05773942 SUPPLIER NUMBER: 61602873 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sharper Images in Photoshop.
Blatner, David
Macworld, 17, 4, 97
April, 2000
ISSN: 0741-8647 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1708 LINE COUNT: 00131

... the background layer and softened it with the Gaussian Blur filter.
The Simple Art of Sharpening
Many people get nervous when confronted with the Unsharp **Mask** filter for the first **time**. Don't worry--it's a simple three-step process. (But make sure to leave yourself an escape route by either working on a duplicate...

3/3,K/6 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2004 The Gale group. All rts. reserv.

03480558 SUPPLIER NUMBER: 09322532 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Environmental illness: a controlled study of 26 subjects with '20th century disease'.

Black, Donald W.; Rathe, Ann; Goldstein, Rise B.
JAMA, The Journal of the American Medical Association, v264, n24, p3166(5)
Dec 26, 1990
ISSN: 0098-7484 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 5000 LINE COUNT: 00419

... of offending agents, rotation or other special diets (yeast-free, reduced sugar, food additive-free, etc), vitamins or other supplements (eg, garlic), oxygen or charcoal- **filter masks**, spending time in "safe" rooms, subcutaneous or sublingual administration of serotonin or histamine (ie, "symptom neutralization"), special douches or enemas (eg, yogurt, spring water, coffee), and many...

3/3,K/7 (Item 1 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

03865720 SUPPLIER NUMBER: 18193602
Space-time profiles of shaped ultrafast optical waveforms.
Wefers, Marc M.; Nelson, Keith A.
IEEE Journal of Quantum Electronics, v32, n1, p161(12)
Jan, 1996
ISSN: 0018-9197 LANGUAGE: English RECORD TYPE: Abstract

...ABSTRACT: frequency components. A translational spatial shift occurs in an electric field profile of a single pass and short unshaped pulse due to diffraction by the **mask filter**. The space- time coupling remains even after double passing the apparatus.

3/3,K/8 (Item 2 from file: 88)
DIALOG(R)File 88:Gale Group Business A.R.T.S.
(c) 2004 The Gale Group. All rts. reserv.

03058674 SUPPLIER NUMBER: 14830623
Time-frequency distribution inversion of the Radon transform.
Sahiner, Berkman; Yagle, Andrew E.
IEEE Transactions on Image Processing, v2, n4, p539(5)
Oct, 1993
ISSN: 1057-7149 LANGUAGE: English RECORD TYPE: Abstract

...ABSTRACT: backprojection methods. Distortions are eliminated when local high frequency constituents are not found in projections. Short-time Fourier transforms are used in the application of **time -frequency mask filter** which nullifies projections with local signal energy less than a threshold. Spatially-invariant smoothing filters indicate an enhancement in the result.

3/3,K/9 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07752580 SUPPLIER NUMBER: 16691197 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**HSC SHIPS KPT CONVOLVER FOR WINDOWS/WINDOWS NT; GIVES GRAPHICS
PROFESSIONALS UNPRECEDENTED CONTROL OVER CUSTOM FILTER EFFECTS**
PR Newswire, p0322LA003
March 22, 1995
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 1028 LINE COUNT: 00083

TEXT:

...Windows NT, with both 16- and 32-bit versions packaged together. KPT Convolver gives graphic design professionals and digital imaging artists creative control over custom **filter** effects. Real **time** unsharp **masking** and gaussian blur, in addition to the ability to generate unique sharpens, blurs, embosses, contrasts and more, make KPT Convolver unique in the imaging world...

3/3,K/10 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07605812 SUPPLIER NUMBER: 16294083 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Collage 2.0.1 makes layered images easier to construct. (Specular
International Ltd's digital composition package) (Software Review)
(Evaluation)

Long, Ben
MacWEEK, v8, n47, p31(2)
Dec 5, 1994

DOCUMENT TYPE: Evaluation ISSN: 0892-8118 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1342 LINE COUNT: 00110

... your final image to Photoshop and apply your filters there. Also new to Collage 2 is a Filter List dialog that lets you remove a **filter** at any **time**.

Masking

If your image was created with an alpha channel, Collage can use that channel as a mask when compositing images. Simply clicking the Mask button ...

3/3,K/11 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

06416011 SUPPLIER NUMBER: 13501368 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The full picture. (Supermac Technology Inc.'s DigitalFilm graphics board, RasterOps Corp.'s MoviePak graphics board and Avid Technology Inc.'s Media Suite Pro Turnkey System, for Apple's Quicktime operating system enhancement)

Leland, Jon
Computer Graphics World, v16, n3, p47(3)
March, 1993

ISSN: 0271-4159 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2263 LINE COUNT: 00180

... other windows and tools.

DigitalFilm, which delivers hardware-accelerated JPEG compression, comes bundled with two programs: CoSA's After Effects, which enables users to apply **time**-based **filters**, transitions, **masks**, and special effects, do complex layering and compositing, and set multiple keyframes, among other capabilities; and Adobe's Premiere 2.0, which makes it easy...

3/3,K/12 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2004 The Gale Group. All rts. reserv.

01316331 Supplier Number: 41523898 (USE FORMAT 7 FOR FULLTEXT)

MARKET FOR NONWOVEN FILTER MATERIALS TO BE STUDIED

High Performance Textiles, pN/A

Sept, 1990

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 173

... have immense potential in filtration.

Electrostatically charged electret fibres and nonwovens made from them are being commonly used in such applications as automobile filtration, vacuum- **post filters** , **face masks** and air purification. The main market for electrets is Europe, followed by Japan and North America.

It is estimated that over the next five years...

3/3,K/13 (Item 1 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext

(c) 2004 CMP Media, LLC. All rts. reserv.

00551104 CMP ACCESSION NUMBER: CRN19930208S9487

SuperMac,licensestechnology

COMPUTER RESELLER NEWS, 1993, n 512, 64

PUBLICATION DATE: 930208

JOURNAL CODE: CRN LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: mac news

WORD COUNT: 162

... After Effects, from The Co. of Science & Art, Providence, R.I.

CoSA After Effects gives Macintosh users video post-production tools; allows users to apply **time -based filters** , transitions, **masks** and special effects; do complex layering; as well as set multiple key frames, among other features.

3/3,K/14 (Item 1 from file: 810)

DIALOG(R)File 810:Business Wire

(c) 1999 Business Wire . All rts. reserv.

0745356 BW0007

C CUBE: C-Cube's Revolutionary DVx MPEG-2 Codec Enables New Opportunities for Europe's DTV and Professional Studio Markets; Tadiran/Scopus and Matra Adopt C-Cube's New DVxpert Products to Address Both PAL and NTSC DTV and Studio Editing Applications

September 15, 1997

Byline: Business Editors

...and ensures optimal channel efficiency with Statistical Multiplexing. C-Cube's patented PerfectView encoding technology delivers the clearest image quality with advanced capabilities such as **pre - filtering** , **error masking** and Inverse Telecine.

DVxpert 6210 Professional Encoder

The DVxpert 6210 Professional Encoder can compress video images

into either MPEG-2 Main-Level @ 4:2:2...
?

File 2:INSPEC 1969-2004/May W2
(c) 2004 Institution of Electrical Engineers

File 6:NTIS 1964-2004/May W3
(c) 2004 NTIS, Intl Cpyrght All Rights Res

File 8:Ei Compendex(R) 1970-2004/May W2
(c) 2004 Elsevier Eng. Info. Inc.

File 34:SciSearch(R) Cited Ref Sci 1990-2004/May W2
(c) 2004 Inst for Sci Info

File 35:Dissertation Abs Online 1861-2004/Apr
(c) 2004 ProQuest Info&Learning

File 65:Inside Conferences 1993-2004/May W3
(c) 2004 BLDSC all rts. reserv.

File 94:JICST-EPlus 1985-2004/Apr W4
(c)2004 Japan Science and Tech Corp(JST)

File 95:TEME-Technology & Management 1989-2004/May W1
(c) 2004 FIZ TECHNIK

File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Apr
(c) 2004 The HW Wilson Co.

File 144:Pascal 1973-2004/May W2
(c) 2004 INIST/CNRS

File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
(c) 2003 EBSCO Pub.

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning

File 483:Newspaper Abs Daily 1986-2004/May 17
(c) 2004 ProQuest Info&Learning

| Set | Items | Description |
|-----|-------|--|
| S1 | 1 | (TIME OR TEMPORAL OR NON() SIMULTANEOUS? OR NONSIMULTANEOUS OR NON() FREQUEN? OR NONFREQUEN? OR FORWARD OR BACKWARD OR PRE OR POST) () (MASK OR MASKS OR MASKING) () FILTER? |
| | | ? |

1/3,K/1 (Item 1 from file: 144)
DIALOG(R) File 144:Pascal
(c) 2004 INIST/CNRS. All rts. reserv.

15090925 PASCAL No.: 01-0250628
Frequency selectivity estimated using stimulus-frequency otoacoustic emissions and psychophysical masking
OXENHAM Andrew J; SHERA Christopher A
Res. Lab. of Electron., MIT, Cambridge, MA 02139; Massachusetts Eye and Ear Infirmary, Boston, MA 02114
Journal: The Journal of the Acoustical Society of America, 2001-05-01, 109 (5) p. 2408
Language: English

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... at high center frequencies. This study investigates whether psychophysical and physiological estimates of filter bandwidth can be reconciled if suppressive effects are eliminated by using **forward masking**. Filter bandwidths at center frequencies of 1, 2, 4, 6, and 8 kHz were measured using the notch-noise technique in simultaneous and forward masking with...

?

? show files;ds

File 344:Chinese Patents Abs Aug 1985-2004/Mar

(c) 2004 European Patent Office

File 347:JAPIO Nov 1976-2004/Jan(Updated 040506)

(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200431

(c) 2004 Thomson Derwent

| Set | Items | Description |
|-----|-------|--|
| S1 | 0 | (TIME OR TEMPORAL OR NON()SIMULTANEOUS? OR NONSIMULTANEOUS OR NON()FREQUEN? OR NONFREQUEN? OR FORWARD OR BACKWARD OR PRE OR POST) () (MASK OR MASKS OR MASKING) () FILTER? |

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File 348:EUROPEAN PATENTS 1978-2004/May W01

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040513,UT=20040506

(c) 2004 WIPO/Univentio

| Set | Items | Description |
|-----|-------|--|
| S1 | 0 | (TIME OR TEMPORAL OR NON()SIMULTANEOUS? OR NONSIMULTANEOUS OR NON()FREQUEN? OR NONFREQUEN? OR FORWARD OR BACKWARD OR PRE OR POST) () (MASK OR MASKS OR MASKING) () FILTER? |

File 9:Business & Industry(R) Jul/1994-2004/May 14
 (c) 2004 The Gale Group
 File 15:ABI/Inform(R) 1971-2004/May 17
 (c) 2004 ProQuest Info&Learning
 File 16:Gale Group PROMT(R) 1990-2004/May 18
 (c) 2004 The Gale Group
 File 20:Dialog Global Reporter 1997-2004/May 18
 (c) 2004 The Dialog Corp.
 File 47:Gale Group Magazine DB(TM) 1959-2004/May 17
 (c) 2004 The Gale group
 File 75:TGG Management Contents(R) 86-2004/May W2
 (c) 2004 The Gale Group
 File 80:TGG Aerospace/Def.Mkts(R) 1986-2004/May 18
 (c) 2004 The Gale Group
 File 88:Gale Group Business A.R.T.S. 1976-2004/May 17
 (c) 2004 The Gale Group
 File 98:General Sci Abs/Full-Text 1984-2004/May
 (c) 2004 The HW Wilson Co.
 File 112:UBM Industry News 1998-2004/Jan 27
 (c) 2004 United Business Media
 File 141:Readers Guide 1983-2004/May
 (c) 2004 The HW Wilson Co
 File 148:Gale Group Trade & Industry DB 1976-2004/May 18
 (c)2004 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 275:Gale Group Computer DB(TM) 1983-2004/May 18
 (c) 2004 The Gale Group
 File 264:DIALOG Defense Newsletters 1989-2004/May 17
 (c) 2004 The Dialog Corp.
 File 369:New Scientist 1994-2004/May W2
 (c) 2004 Reed Business Information Ltd.
 File 484:Periodical Abs Plustext 1986-2004/May W2
 (c) 2004 ProQuest
 File 553:Wilson Bus. Abs. FullText 1982-2004/May
 (c) 2004 The HW Wilson Co
 File 570:Gale Group MARS(R) 1984-2004/May 18
 (c) 2004 The Gale Group
 File 608:KR/T Bus.News. 1992-2004/May 18
 (c)2004 Knight Ridder/Tribune Bus News
 File 620:EIU:Viewswire 2004/May 17
 (c) 2004 Economist Intelligence Unit
 File 613:PR Newswire 1999-2004/May 18
 (c) 2004 PR Newswire Association Inc
 File 621:Gale Group New Prod.Annou. (R) 1985-2004/May 17
 (c) 2004 The Gale Group
 File 623:Business Week 1985-2004/May 17
 (c) 2004 The McGraw-Hill Companies Inc
 File 624:McGraw-Hill Publications 1985-2004/May 17
 (c) 2004 McGraw-Hill Co. Inc
 File 634:San Jose Mercury Jun 1985-2004/May 17
 (c) 2004 San Jose Mercury News
 File 635:Business Dateline(R) 1985-2004/May 15
 (c) 2004 ProQuest Info&Learning
 File 636:Gale Group Newsletter DB(TM) 1987-2004/May 18
 (c) 2004 The Gale Group
 File 647:CMP Computer Fulltext 1988-2004/May W2
 (c) 2004 CMP Media, LLC
 File 674:Computer News Fulltext 1989-2004/May W3
 (c) 2004 IDG Communications
 File 810:Business Wire 1986-1999/Feb 28

(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

| Set | Items | Description |
|-----|-------|--|
| S1 | 0 | (TIME OR TEMPORAL OR NON()SIMULTANEOUS? OR NONSIMULTANEOUS OR NON()FREQUEN? OR NONFREQUEN? OR FORWARD OR BACKWARD OR PRE OR POST) () (MASK OR MASKS OR MASKING) () FILTER? |

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| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|--------------------|------------------|
| - | 18 | 704/200.1.ccls. and mask and filter and temporal and simultaneous | USPAT; US-PGPUB | 2004/04/29 13:55 |
| - | 6 | 704/200.1.ccls. and mask and filter and ((temporal post pre) adj1 masking) and simultaneous | USPAT; US-PGPUB | 2004/04/21 14:33 |
| - | 98 | 4972484.URPN. | USPAT | 2004/04/20 13:21 |
| - | 13 | 704/\$.ccls. and mask and filter and ((temporal post pre) adj1 masking) and simultaneous | USPAT; US-PGPUB | 2004/04/20 13:23 |
| - | 3 | mask same filter same ((simultaneous temporal post pre) adj1 masking) | USPAT; US-PGPUB | 2004/04/20 13:24 |
| - | 1 | 704/\$.ccls. and mask same filter same ((simultaneous temporal post pre) adj1 masking) | USPAT; US-PGPUB | 2004/04/20 13:25 |
| - | 8 | 704/\$.ccls. and mask and filter same ((simultaneous temporal post pre) adj1 masking) | USPAT; US-PGPUB | 2004/04/20 14:24 |
| - | 0 | 704/\$.ccls. and mask and filter same ((simultaneous temporal) adj1 masking) and ((post pre) adj1 masking) | USPAT; US-PGPUB | 2004/04/20 14:25 |
| - | 0 | 704/\$.ccls. and mask and filter same ((simultaneous temporal) adj1 masking) and (post-masking pre-masking (post pre) adj1 masking) | USPAT; US-PGPUB | 2004/04/20 14:26 |
| - | 14 | 704/\$.ccls. and mask and filter and ((simultaneous temporal) adj1 masking) and (post-masking pre-masking postmasking premasking (post pre) adj1 masking) | USPAT; US-PGPUB | 2004/05/16 13:52 |
| - | 14 | 704/200.1.ccls. and mask and filter and ((simultaneous temporal) adj1 masking) and (post-masking pre-masking postmasking premasking (post pre) adj1 masking) | USPAT; US-PGPUB | 2004/04/20 14:33 |
| - | 1 | 704/200.1.ccls. and mask and filter and ((simultaneous temporal) adj1 masking) and (post-masking pre-masking postmasking premasking (post pre) adj1 masking) and threshold and quantization and logarithm | USPAT; US-PGPUB | 2004/04/20 14:36 |
| - | 0 | 704/200.1.ccls. and mask and filter and ((simultaneous temporal) adj1 masking) and (post-masking pre-masking postmasking premasking (post pre) adj1 masking) and threshold and quantization and amar | USPAT; US-PGPUB | 2004/04/20 14:36 |
| - | 0 | 704/200.1.ccls. and mask and filter and ((simultaneous temporal) adj1 masking) and (post-masking pre-masking postmasking premasking (post pre) adj1 masking) and threshold and quantization and arma | USPAT; US-PGPUB | 2004/04/20 14:37 |
| - | 0 | audio and mask and filter and ((simultaneous temporal) adj1 masking) and (post-masking pre-masking postmasking premasking (post pre) adj1 masking) and threshold and quantization and arma | USPAT; US-PGPUB | 2004/04/20 14:37 |
| - | 0 | audio and mask and filter and ((simultaneous temporal) adj1 masking) and (post-masking pre-masking postmasking premasking (post pre) adj1 masking) and threshold and arma | USPAT; US-PGPUB | 2004/04/20 14:37 |
| - | 0 | audio and mask and filter and ((simultaneous temporal) adj1 masking) and (post-masking pre-masking postmasking premasking (post pre) adj1 masking) and threshold and ar and ma | USPAT; US-PGPUB | 2004/04/20 14:38 |
| - | 0 | audio and mask and filter and ((simultaneous temporal) adj1 masking) and (post-masking pre-masking postmasking premasking (post pre) adj1 masking) and ar and ma | USPAT; US-PGPUB | 2004/04/20 14:38 |
| - | 0 | audio and mask and filter and (post-masking pre-masking postmasking premasking (simultaneous temporal post pre) adj1 masking) and ar and ma | USPAT; US-PGPUB | 2004/04/20 14:40 |
| - | 11 | audio and mask and filter and (post-masking pre-masking postmasking premasking (simultaneous temporal post pre) adj1 masking) and (arma ar ma) | USPAT; US-PGPUB | 2004/04/20 14:52 |
| - | 1 | 704/\$.ccls. and audio and mask and filter and (post-masking pre-masking postmasking premasking (simultaneous temporal post pre) adj1 masking) and (arma ar ma) | USPAT; US-PGPUB | 2004/04/20 14:41 |
| - | 0 | 704/\$.ccls. and audio and mask and filter and (post-masking pre-masking postmasking premasking (simultaneous temporal post pre) adj1 masking) and ((arma ar ma) near2 filter) | USPAT; US-PGPUB | 2004/04/20 14:52 |

| | | | | |
|---|-----|---|--------------------|------------------|
| - | 0 | mask and filter and (post-masking pre-masking postmasking premasking (simultaneous temporal post pre) adj1 masking) and ((arma ar ma) near2 filter) | USPAT; US-PGPUB | 2004/04/20 14:45 |
| - | 0 | filter and (post-masking pre-masking postmasking premasking (simultaneous temporal post pre) adj1 masking) and ((arma ar ma) near2 filter) | USPAT; US-PGPUB | 2004/04/20 14:45 |
| - | 26 | mask and ((arma ar ma) near2 filter) | USPAT; US-PGPUB | 2004/04/20 14:45 |
| - | 79 | audio and mask and filter and (post-masking pre-masking postmasking premasking (simultaneous temporal post pre) adj1 masking) | USPAT; US-PGPUB | 2004/04/20 14:52 |
| - | 50 | 704/\$.ccls. and audio and mask and filter and (post-masking pre-masking postmasking premasking (simultaneous temporal post pre) adj1 masking) | USPAT; US-PGPUB | 2004/04/20 14:52 |
| - | 12 | 704/200.1.ccls. and mask and filter and ((simultaneous temporal) adj1 masking) and (post-masking pre-masking postmasking premasking (post pre) adj1 masking) and threshold and quantization | USPAT; US-PGPUB | 2004/04/20 15:31 |
| - | 2 | 704/200.1.ccls. and mask\$4 adj1 filter | USPAT; US-PGPUB | 2004/04/20 15:32 |
| - | 2 | 704/200.1.ccls. and mask\$4 adj1 filter | USPAT; US-PGPUB | 2004/04/20 16:39 |
| - | 12 | 704/\$.ccls. and masking adj2 filter | USPAT; US-PGPUB | 2004/04/20 15:34 |
| - | 6 | 704/200.1.ccls. and mask\$4 adj2 filter | USPAT; US-PGPUB | 2004/04/20 16:42 |
| - | 11 | 704/200.1.ccls. and mask\$4 adj2 model same filter | USPAT; US-PGPUB | 2004/04/20 16:52 |
| - | 25 | 704/200.1.ccls. and mask\$4 and filter and paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/20 17:06 |
| - | 151 | 704/\$.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and mask\$4 and filter and paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/20 17:11 |
| - | 104 | 704/\$.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) same mask\$4 and filter and paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/20 17:12 |
| - | 54 | 704/\$.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) same mask\$4 same filter and paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/20 17:12 |
| - | 13 | 704/\$.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) same mask\$4 same filter same paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/20 17:12 |
| - | 2 | 704/200.1.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) same mask\$4 same filter same paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/20 17:14 |
| - | 0 | 704/203.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) same mask\$4 same filter same paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/20 17:14 |
| - | 1 | 704/211.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) same mask\$4 same filter same paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/20 17:14 |
| - | 23 | 704/200.1.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and mask\$4 and filter and paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/21 13:39 |
| - | 25 | 704/200.1.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj1filter) and paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/21 13:41 |
| - | 1 | 704/200.1.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj1 filter) and paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/21 13:44 |
| - | 1 | 704/200.1.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj1 filter) and paramet\$4 and estimat\$4 | USPAT; US-PGPUB | 2004/04/21 13:43 |

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|---|----|---|--------------------|------------------|
| - | 1 | 704/200.1.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj1 filter) and paramet\$4 | USPAT; US-PGPUB | 2004/04/21 13:43 |
| - | 1 | 704/200.1.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj1 filter) and estimat\$4 | USPAT; US-PGPUB | 2004/04/21 13:43 |
| - | 1 | 704/200.1.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj1 filter) | USPAT; US-PGPUB | 2004/04/21 13:43 |
| - | 1 | 704/\$.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj1 filter) and paramet\$4 same estimat\$4 | USPAT; US-PGPUB | 2004/04/21 13:44 |
| - | 3 | 704/\$.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj1 filter) | USPAT; US-PGPUB | 2004/04/21 13:45 |
| - | 88 | (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj1 filter) | USPAT; US-PGPUB | 2004/04/21 13:46 |
| - | 2 | (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) same (masking adj1 filter) | USPAT; US-PGPUB | 2004/04/21 13:46 |
| - | 25 | (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (masking adj1 filter) | USPAT; US-PGPUB | 2004/04/21 13:50 |
| - | 16 | (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (masking adj1 filter) and (speech audio) | USPAT; US-PGPUB | 2004/04/21 13:50 |
| - | 15 | (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (masking adj1 filter) and (audio) | USPAT; US-PGPUB | 2004/04/21 14:10 |
| - | 80 | (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj3 filter) and (audio) | USPAT; US-PGPUB | 2004/04/21 14:11 |
| - | 48 | (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj2 filter) and (audio) | USPAT; US-PGPUB | 2004/04/21 14:11 |
| - | 32 | (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj1 filter) and (audio) | USPAT; US-PGPUB | 2004/04/21 14:11 |
| - | 1 | 704/\$.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj1 filter) and (audio) | USPAT; US-PGPUB | 2004/04/21 14:12 |
| - | 9 | 704/\$.ccls. and (percept\$5 psycho-acoustic psychoacoustic critical-band criticalband) and (mask\$4 adj2 filter) and (audio) | USPAT; US-PGPUB | 2004/04/21 14:12 |
| - | 6 | 704/200.1.ccls. and mask and ((temporal post pre) adj1 masking) same filter | USPAT; US-PGPUB | 2004/04/21 14:40 |
| - | 1 | 704/200.1.ccls. and mask and ((temporal post pre) adj1 masking) same filter and (ac3 ac-3) | USPAT; US-PGPUB | 2004/04/21 14:39 |
| - | 1 | 704/\$.ccls. and mask and ((temporal post pre) adj1 masking) same filter and (ac3 ac-3) | USPAT; US-PGPUB | 2004/04/21 14:40 |
| - | 1 | mask and ((temporal post pre) adj1 masking) same filter and (ac3 ac-3) | USPAT; US-PGPUB | 2004/04/21 14:40 |
| - | 7 | 704/\$.ccls. and mask and ((temporal post pre) adj1 masking) same filter | USPAT; US-PGPUB | 2004/04/21 14:43 |
| - | 12 | audio and mask and ((temporal post pre) adj1 masking) same filter | USPAT; US-PGPUB | 2004/04/21 17:21 |
| - | 29 | (simultaneous near2 masking) same (temporal near2 masking) and filter | USPAT; US-PGPUB | 2004/04/21 17:27 |
| - | 3 | (simultaneous near2 masking) same (temporal near2 masking) and filter and (temporal near2 masking) same filter | USPAT; US-PGPUB | 2004/04/21 17:34 |
| - | 29 | (temporal near2 masking) same filter | USPAT; US-PGPUB | 2004/04/21 17:34 |
| - | 22 | (temporal near2 masking) same filter and audio | USPAT; US-PGPUB | 2004/04/21 17:35 |
| - | 35 | (simultaneous near2 masking) same (temporal near2 masking) | USPAT; US-PGPUB | 2004/04/21 19:18 |
| - | 29 | (simultaneous near2 masking) same (temporal near2 masking) and filter and (simultaneous near2 masking) and (temporal near2 masking) | USPAT; US-PGPUB | 2004/04/21 20:51 |
| - | 15 | ((spectral spectrum) near2 masking) same (temporal near2 masking) and filter and ((spectral spectrum) near2 masking) and (temporal near2 masking) | USPAT; US-PGPUB | 2004/04/21 20:58 |

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|---|----|--|--------------------|------------------|
| - | 4 | ((spectral spectrum) near2 masking) same (temporal near2 masking) and ((spectral spectrum) near2 masking) and (temporal near2 masking) same filter | USPAT; US-PGPUB | 2004/04/21 21:00 |
| - | 18 | ((spectral spectrum) near2 masking) same (time masking) and ((spectral spectrum) near2 masking) and (time near2 masking) same filter | USPAT; US-PGPUB | 2004/04/21 21:00 |
| - | 0 | ((spectral spectrum) near2 masking) same (time masking) and ((spectral spectrum) near2 masking) and (time near2 masking) same filter and (ac3 ac-3) | USPAT; US-PGPUB | 2004/04/21 21:01 |
| - | 16 | ((spectral spectrum) near2 masking) same (time masking) and ((spectral spectrum) near2 masking) and (time near2 masking) same filter and audio | USPAT; US-PGPUB | 2004/04/21 21:35 |
| - | 8 | ((spectral spectrum) near2 masking) same (time near2 masking) and ((spectral spectrum) near2 masking) and (time near2 masking) same filter and audio | USPAT; US-PGPUB | 2004/04/21 21:35 |

| | | | | |
|---|----|--|--------------------|------------------|
| - | 50 | ("4896362" "5479562" "5394473" "5642111" "5852806" "5890125" "5451954" "5699484" "6424936" "6094636" "6108625" "5475789" "5640486" "5651093" "5982447" "5999905" "6438525" "6725192" "5323396" "6246345" "5222189" "5357594" "5530655" "5646961" "5699382" "5890106" "5930750" "5987407" "6006179" "6128592" "5230038" "5241535" "5297236" "5301255" "5485524" "5515395" "5680130" "5734657" "5737718" "5752224" "5752225" "5758316" "5781586" "5825979" "5832426" "5901234" "5950156" "5974379" "6029136" "6167093").pn. | USPAT; US-PGPUB | 2004/04/29 13:57 |
| - | 0 | 704/\$.ccls. and (((non-simultaneous temporal post pre) adj1 masking) post-masking pre-masking postmasking premasking) adj2 filter | USPAT; US-PGPUB | 2004/05/16 14:00 |
| - | 0 | (speech voice sound audio) and (((non-simultaneous temporal post pre) adj1 masking) post-masking pre-masking postmasking premasking) adj1 filter | USPAT; US-PGPUB | 2004/05/16 14:10 |
| - | 0 | 704/\$.ccls. and (((non-simultaneous temporal post pre) adj1 mask\$3) post-mask\$3 pre-mask\$3 postmasking premasking) adj2 filter | USPAT; US-PGPUB | 2004/05/16 14:01 |
| - | 0 | 704/\$.ccls. and (((non-simultaneous temporal post pre) adj1 mask\$3) post-mask\$3 pre-mask\$3 postmask\$3 premask\$3) adj2 filter | USPAT; US-PGPUB | 2004/05/16 14:01 |
| - | 5 | (((non-simultaneous temporal post pre) adj1 mask\$3) post-mask\$3 pre-mask\$3 postmask\$3 premask\$3) adj2 filter | USPAT; US-PGPUB | 2004/05/16 14:01 |

| | | | | |
|---|----|--|--------------------|------------------|
| - | 1 | (speech voice sound audio) and (((non-simultaneous temporal post pre) adj1 masking) post-masking pre-masking postmasking premasking) adj2 filter | USPAT; US-PGPUB | 2004/05/16 17:41 |
| - | 4 | (speech voice sound audio) and (((non-simultaneous temporal post pre) adj2 masking) post-masking pre-masking postmasking premasking) adj2 filter | USPAT; US-PGPUB | 2004/05/16 17:40 |
| - | 77 | (speech voice sound audio) and (masking adj2 filter) | USPAT; US-PGPUB | 2004/05/16 17:41 |
| - | 12 | 704/\$.ccls. and (speech voice sound audio) and (masking adj2 filter) | USPAT; US-PGPUB | 2004/05/16 17:42 |
| - | 3 | 704/\$.ccls. and (speech voice sound audio) and (masking adj1 filter) | USPAT; US-PGPUB | 2004/05/16 17:50 |
| - | 12 | 704/\$.ccls. and (speech voice sound audio) and (masking adj2 filter) | USPAT; US-PGPUB | 2004/05/16 17:50 |
| - | 28 | (speech voice sound audio) and (masking adj1 filter) | USPAT; US-PGPUB | 2004/05/16 19:22 |
| - | 2 | (speech voice sound audio) and (temporal adj1 masking adj1 model\$4) | USPAT; US-PGPUB | 2004/05/16 19:23 |
| - | 4 | (speech voice sound audio) and (time adj1 masking adj1 model\$4) | USPAT; US-PGPUB | 2004/05/16 22:11 |
| - | 6 | (speech voice sound audio) and (((time temporal non-simultaneous no-frequency) adj1 mask\$3) adj1 model\$4) | USPAT; US-PGPUB | 2004/05/16 22:15 |
| - | 3 | (((time temporal non-simultaneous non-frequency) adj1 mask\$3) adj1 filter\$4) | USPAT; US-PGPUB | 2004/05/16 22:17 |
| - | 0 | 704/\$.ccls. and (((time temporal non-simultaneous non-frequency) adj1 mask\$3) adj1 filter\$4) | USPAT; US-PGPUB | 2004/05/16 22:18 |
| - | 0 | 704/200.1.ccls. and (((time temporal non-simultaneous non-frequency) adj1 mask\$3) adj1 filter\$4) | USPAT; US-PGPUB | 2004/05/16 22:18 |
| - | 0 | 704/200.1.ccls. and (((time temporal non-simultaneous non-frequency) adj1 mask\$3) near2 filter\$4) | USPAT; US-PGPUB | 2004/05/16 22:18 |
| - | 12 | 704/200.1.ccls. and (((time temporal non-simultaneous non-frequency) adj1 mask\$3) same filter\$4) | USPAT; US-PGPUB | 2004/05/16 22:27 |
| - | 12 | 704/200.1.ccls. and (((time temporal non-simultaneous non-frequency) adj1 mask\$3) same filter\$4) and ((time temporal non-simultaneous non-frequency) adj1 mask\$3) | USPAT; US-PGPUB | 2004/05/16 22:38 |
| - | 12 | 704/200.1.ccls. and (((time temporal non-simultaneous non-frequency) adj1 mask\$3) same filter\$4) and (((time temporal non-simultaneous non-frequency) adj1 mask\$3) or ((simultaneous frequency) adj1 mask\$3)) | USPAT; US-PGPUB | 2004/05/16 22:40 |
| - | 23 | 704/\$.ccls. and (((time temporal non-simultaneous non-frequency) adj1 mask\$3) same filter\$4) and (((time temporal non-simultaneous non-frequency) adj1 mask\$3) or ((simultaneous frequency) adj1 mask\$3)) | USPAT; US-PGPUB | 2004/05/17 10:58 |
| - | 33 | 704/\$.ccls. and (((time temporal non-simultaneous non-frequency forward backward pre post) adj1 mask\$3) same filter\$4) and (((time temporal non-simultaneous non-frequency forward backward pre post) adj1 mask\$3) or ((simultaneous frequency) adj1 mask\$3)) | USPAT; US-PGPUB | 2004/05/17 11:05 |
| - | 3 | (((time temporal non-simultaneous non-frequency forward backward pre post) adj1 mask\$3) adj1 filter\$4) | USPAT; US-PGPUB | 2004/05/17 11:04 |